RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/901,996A

DATE: 02/28/2002
TIME: 13:24:25

Input Set : A:\BMID 9809US.ST25(Version 2).txt
Output Set: N:\CRF3\02282002\I901996A.raw

```
     3 <110> APPLICANT: Dwulet, Francis
     4        McCarthy, Robert
     5        Balgobin, Neil
     7 <120> TITLE OF INVENTION: ENZYME/TAG BINDING AND DETECTION SYSTEM
     9 <130> FILE REFERENCE: BMID 9809US
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/901,996A
C--> 11 <141> CURRENT FILING DATE: 2001-07-10
    11 <160> NUMBER OF SEQ ID NOS: 13
    13 <170> SOFTWARE: PatentIn version 3.0
    15 <210> SEQ ID NO: 1
    16 <211> LENGTH: 10
    17 <212> TYPE: PRT
    18 <213> ORGANISM: mammalian
    20 <220> FEATURE:
    21 <221> NAME/KEY: misc_feature
    22 <222> LOCATION: (4)..(4)
    23 <223> OTHER INFORMATION: the amino acid at this position can be lysine or arginine
    26 <220> FEATURE:
    27 <221> NAME/KEY: misc_feature
    28 <222> LOCATION: (5)..(5)
    29 <223> OTHER INFORMATION: the amino acid at this position can be glycine or alanine
    32 <220> FEATURE:
    33 <221> NAME/KEY: misc_feature
    34 <222> LOCATION: (6)..(6)
    35 <223> OTHER INFORMATION: the amino acid at this position can be arginine, glycine or
serin
    39 <400> SEQUENCE: 1
W--> 41 Gly Pro Cys Xaa Xaa Xaa Phe Ile Arg Tyr
    42 1               5                   10
    44 <210> SEQ ID NO: 2
    45 <211> LENGTH: 11
    46 <212> TYPE: PRT
    47 <213> ORGANISM: mammalian
    49 <220> FEATURE:
    50 <221> NAME/KEY: misc_feature
    51 <222> LOCATION: (1)..(1)
    52 <223> OTHER INFORMATION: the amino acid at this position can be asparagine or glycine
    55 <220> FEATURE:
    56 <221> NAME/KEY: misc_feature
    57 <222> LOCATION: (4)..(4)
    58 <223> OTHER INFORMATION: the amino acid at this position can be proline or threonine
    61 <220> FEATURE:
    62 <221> NAME/KEY: misc_feature
    63 <222> LOCATION: (5)..(5)
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64 <223> OTHER INFORMATION: the amino acid at this position can be lysine or arginine
67 <220> FEATURE:
68 <221> NAME/KEY: misc_feature
69 <222> LOCATION: (8)..(8)
70 <223> OTHER INFORMATION: the amino acid at this position can be asparagine or
aspartate
73 <400> SEQUENCE: 2
W--> 75 Xaa Gly Cys Xaa Xaa Ile Tyr Xaa Pro Val Cys
76 1   5   10
78 <210> SEQ ID NO: 3
79 <211> LENGTH: 9
80 <212> TYPE: PRT
81 <213> ORGANISM: snake venom
83 <220> FEATURE:
84 <221> NAME/KEY: misc_feature
85 <222> LOCATION: (2)..(2)
86 <223> OTHER INFORMATION: the amino acid at this position can be arginine or leucine
89 <400> SEQUENCE: 3
W--> 91 Gly Xaa Cys Lys Ala His Ile Pro Arg
92 1   5
94 <210> SEQ ID NO: 4
95 <211> LENGTH: 9
96 <212> TYPE: PRT
97 <213> ORGANISM: plant protease inhibitors
99 <220> FEATURE:
100 <221> NAME/KEY: misc_feature
101 <222> LOCATION: (1)..(1)
102 <223> OTHER INFORMATION: the amino acid at this position can be arginine or proline
105 <220> FEATURE:
106 <221> NAME/KEY: misc_feature
107 <222> LOCATION: (2)..(2)
108 <223> OTHER INFORMATION: the amino acid at this position can be leucine or proline
111 <220> FEATURE:
112 <221> NAME/KEY: misc_feature
113 <222> LOCATION: (4)..(4)
114 <223> OTHER INFORMATION: the amino acid at this position can be isoleucine or serine
117 <220> FEATURE:
118 <221> NAME/KEY: misc_feature
119 <222> LOCATION: (5)..(5)
120 <223> OTHER INFORMATION: the amino acid at this position can be threonine or arginine
123 <400> SEQUENCE: 4
W--> 125 Xaa Xaa Arg Xaa Xaa Phe Ile Pro Asp
126 1   5
128 <210> SEQ ID NO: 5
129 <211> LENGTH: 11
130 <212> TYPE: PRT
131 <213> ORGANISM: plant protease inhibitors
133 <220> FEATURE:
134 <221> NAME/KEY: misc_feature
135 <222> LOCATION: (5)..(5)

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```
136  <223>  OTHER INFORMATION: the amino acid at this position can be lysine or arginine
139  <400>  SEQUENCE: 5
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W--> 141 Cys Ile Cys Thr Xaa Ser Ile Pro Pro Gln Cys
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142  1               5                   10
144  <210>  SEQ ID NO: 6
145  <211>  LENGTH: 10
146  <212>  TYPE: PRT
147  <213>  ORGANISM: bird egg white trypsin inhibitors
149  <220>  FEATURE:
150  <221>  NAME/KEY: misc_feature
151  <222>  LOCATION: (4)..(4)
152  <223>  OTHER INFORMATION: the amino acid at this position can be lysine or arginine
155  <220>  FEATURE:
156  <221>  NAME/KEY: misc_feature
157  <222>  LOCATION: (7)..(7)
158  <223>  OTHER INFORMATION: the amino acid at this position can be serine or lysine
161  <400>  SEQUENCE: 6
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W--> 163 Val Ala Cys Xaa Ile Leu Xaa Pro Val Cys
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164  1               5                   10
166  <210>  SEQ ID NO: 7
167  <211>  LENGTH: 10
168  <212>  TYPE: PRT
169  <213>  ORGANISM: bovine basic pancreatic trypsin inhibitor
171  <400>  SEQUENCE: 7
173  Gly Pro Ser Lys Ala Arg Ile Ile Arg Tyr
174  1               5                   10
176  <210>  SEQ ID NO: 8
177  <211>  LENGTH: 10
178  <212>  TYPE: PRT
179  <213>  ORGANISM: Soybean Kunitz protease inhibitor
181  <400>  SEQUENCE: 8
183  Ser Pro Tyr Arg Ile Arg Phe Ile Ala Glu
184  1               5                   10
186  <210>  SEQ ID NO: 9
187  <211>  LENGTH: 10
188  <212>  TYPE: PRT
189  <213>  ORGANISM: Soybean Bowman-Birk protease inhibitor
191  <400>  SEQUENCE: 9
193  Ala Ser Thr Lys Ser Asn Pro Pro Gln Ser
194  1               5                   10
196  <210>  SEQ ID NO: 10
197  <211>  LENGTH: 10
198  <212>  TYPE: PRT
199  <213>  ORGANISM: Sand Viper venom protease inhibitor
201  <400>  SEQUENCE: 10
203  Gly Arg Ser Lys Ala His Ile Pro Arg Phe
204  1               5                   10
206  <210>  SEQ ID NO: 11
207  <211>  LENGTH: 10
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Input Set : A:\BMID 9809US.ST25(Version 2).txt

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```
208 <212> TYPE: PRT
209 <213> ORGANISM: Bovine secretory protease
211 <400> SEQUENCE: 11
213 Gly Ser Pro Arg Ile Tyr Asn Pro Val Ser
214 1               5                   10
216 <210> SEQ ID NO: 12
217 <211> LENGTH: 10
218 <212> TYPE: PRT
219 <213> ORGANISM: Chicken ovomucoid domain 3 protease
221 <400> SEQUENCE: 12
223 Val Ala Ser Arg Ile Leu Ser Pro Val Ser
224 1               5                   10
226 <210> SEQ ID NO: 13
227 <211> LENGTH: 10
228 <212> TYPE: PRT
229 <213> ORGANISM: Chicken ovomucoid domain 4 protease
231 <400> SEQUENCE: 13
233 Val Ala Ser Arg Ile Leu Leu Pro Val Ser
234 1               5                   10
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VERIFICATION SUMMARY
PATENT APPLICATION: US/09/901,996A

DATE: 02/28/2002
TIME: 13:24:26

Input Set : **A:\BMID 9809US.ST25(Version 2).txt**
Output Set: **N:\CRF3\02282002\I901996A.raw**

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L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:41 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:75 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:91 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
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